

AMENDMENTS TO THE CLAIMS

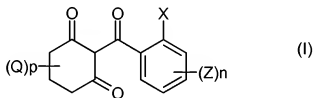
1. (Original): A chemically and physically stable suspoemulsion formulation, free from polymeric stabilisers having a molecular weight of between 10,000 and 1,000,000 daltons, comprising:

- (i) a continuous phase,
- (ii) an HPPD-inhibiting herbicide insoluble in the continuous phase,
- (iii) a chloroacetamide, and
- (iv) one or more aromatic ethoxylate compounds or derivatives thereof

with the exclusion of formulations comprising all of a tristyrilphenol-ethoxylate having 6-14 mol ethoxylate, in non-ionic form, and a tristyrilphenol-ethoxylate having 14-18 mol ethoxylate in form of its sulphate or phosphate, in anionic or acid form, and a dialkyl-sulfosuccinate salt.

2. (Original): A suspoemulsion formulation according to claim 1, wherein the continuous phase is selected from the group consisting of water, glycol or alcohol.

3. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 or 2~~ claim 1, wherein the HPPD-inhibiting herbicide is a compound of formula (I)



wherein X represents a halogen atom; a straight- or branched-chain alkyl or alkoxy group containing up to six carbon atoms which is optionally substituted by one or more groups $-OR^1$ or one or more halogen atoms; or a group selected from nitro, cyano, $-CO_2R^2$, $-S(O)_mR^1$, $-O(CH_2)_kOR^1$, $-COR^2$, $-NR^2R^3$, $-SO_2NR^2R^3$, $-CONR^2R^3$, $-CSNR^2R^3$ and $-OSO_2R^4$;

R^1 represents a straight- or branched-chain alkyl group containing up to six carbon atoms which is optionally substituted by one or more halogen atoms;

R² and R³ each independently represents a hydrogen atom; or a straight- or branched-chain alkyl group containing up to six carbon atoms which is optionally substituted by one or more halogen atoms;

R⁴ represents a straight- or branched-chain alkyl, alkenyl or alkynyl group containing up to six carbon atoms optionally substituted by one or more halogen atoms; or a cycloalkyl group containing from three to six carbon atoms;

each Z independently represents halo, nitro, cyano, S(O)_mR⁵, OS(O)_mR⁵, C₁₋₆ alkyl, C₁₋₆ alkoxy, C₁₋₆ haloalkyl, C₁₋₆ haloalkoxy, carboxy, C₁₋₆ alkylcarbonyloxy, C₁₋₆ alkoxycarbonyl, C₁₋₆ alkylcarbonyl, amino, C₁₋₆ alkylamino, C₁₋₆ dialkylamino having independently the stated number of carbon atoms in each alkyl group, C₁₋₆ alkylcarbonylamino, C₁₋₆ alkoxycarbonylamino, C₁₋₆ alkylaminocarbonylamino, C₁₋₆ dialkylaminocarbonylamino having independently the stated number of carbon atoms in each alkyl group, C₁₋₆ alkoxycarbonyloxy, C₁₋₆ alkylaminocarbonyloxy, C₁₋₆ dialkylcarbonyloxy, phenylcarbonyl, substituted phenylcarbonyl, phenylcarbonyloxy, substituted phenylcarbonyloxy, phenylcarbonylamino, substituted phenylcarbonylamino, phenoxy or substituted phenoxy;

R⁵ represents a straight- or branched-chain alkyl group containing up to six carbon atoms which is optionally substituted by one or more halogen atoms; each Q independently represents C₁₋₄ alkyl or -CO₂R⁶ wherein R⁶ is C₁₋₄ alkyl;

m is zero, one or two;

n is zero or an integer from one to four;

r is one, two or three; and

p is zero or an integer from one to six.

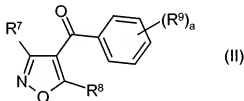
4. (Original): A suspoemulsion formulation according to claim 3, wherein X is chloro, bromo, nitro, cyano, C₁-C₄ alkyl, -CF₃, -S(O)_mR¹, or -OR¹; each Z is independently chloro, bromo, nitro, cyano, C₁-C₄ alkyl, -CF₃, -OR¹, -OS(O)_mR⁵ or -S(O)_mR⁵; n is one or two; and p is zero.

5. (Currently Amended): A suspoemulsion formulation according to claim 3 ~~or 4~~, wherein the 2-(substituted benzoyl)-1,3-cyclohexanedione of formula (I) is selected from the group consisting of 2-(2'-nitro-4'-methylsulphonylbenzoyl)-1,3-cyclohexanedione, 2-(2'-nitro-4'-

methylsulphonyloxybenzoyl)-1,3-cyclohexanedione, 2-(2'-chloro-4'-methylsulphonylbenzoyl)-1,3-cyclohexanedione, 4,4-dimethyl-2-(4-methanesulphonyl-2-nitrobenzoyl)-1,3-cyclohexanedione, 2-(2-chloro-3-ethoxy-4-methanesulphonyl benzoyl)-5-methyl-1,3-cyclohexanedione and 2-(2-chloro-3-ethoxy-4-ethanesulphonylbenzoyl)-5-methyl-1,3-cyclohexanedione.

6. (Original): A suspoemulsion formulation according to claim 5, wherein the 2-(substituted benzoyl)-1,3-cyclohexanedione is 2-(2'-nitro-4'-methylsulphonyl benzoyl)-1,3-cyclohexanedione.

7. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 or 2~~ claim 1, wherein the HPPD-inhibiting herbicide is an isoxazole compound of formula (II)



wherein R^7 is hydrogen or $-\text{CO}_2R^{10}$;

R^8 is C_{1-4} alkyl or C_{3-6} cycloalkyl optionally substituted by C_{1-6} alkyl;

R^9 is independently selected from halogen, nitro, cyano, C_{1-4} alkyl, C_{1-4} haloalkyl, C_{1-6} alkoxy, C_{1-4} haloalkoxy, $-(\text{CR}^{11}\text{R}^{12})_b\text{S}(\text{O})_b\text{R}^{13}$, $-\text{S}(\text{O})_b\text{R}^{13}$, $-\text{OSO}_2\text{R}^{13}$ and $-\text{N}(\text{R}^{14})\text{SO}_2\text{R}^{13}$;

or two groups R^9 , on adjacent carbon atoms of the phenyl ring may, together with the carbon atoms to which they are attached, form a 5- or 6-membered saturated or unsaturated heterocyclic ring containing up to three ring heteroatoms selected from nitrogen, oxygen and sulphur, which ring may be optionally substituted by one or more groups selected from halogen, nitro, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} haloalkyl, C_{1-4} haloalkoxy and $-\text{S}(\text{O})_b\text{R}^{13}$, it being understood that a sulphur atom, where present in the ring, may be in the form of a group $-\text{SO}-$ or $-\text{SO}_2-$;

R^{10} is C_{1-4} alkyl;

R^{11} and R^{12} are independently hydrogen or C_{1-4} alkyl;

R^{13} is C_{1-4} alkyl, or phenyl or benzyl, each of phenyl and benzyl optionally bearing from one or five substituents which may be the same or different selected from the group consisting of halogen, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} haloalkyl, C_{1-4} haloalkoxy, nitro and $-\text{S}(\text{O})_b\text{CH}_3$;

R^{14} is hydrogen or C_{1-6} alkyl;

a is an integer from one to five;

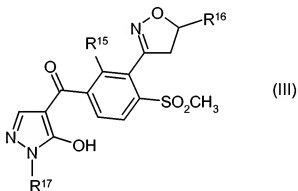
b is zero, one or two; and

c is one or two (where c is two, the groups $(CR^{11}R^{12})$ may be the same or different.

8. (Original): A suspoemulsion formulation according to claim 7 wherein R^7 is hydrogen; R^8 is cyclopropyl; R^9 is halogen (preferably chloro), $-S(O)_bCH_3$, or C_{1-4} haloalkyl (preferably trifluoromethyl); and a is two.

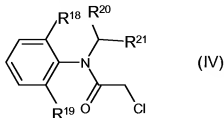
9. (Currently Amended): A suspoemulsion formulation according to claim 7 ~~1 or 8~~ wherein the isoxazole compound is selected from the group consisting of 5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethyl)benzoylisoxazole (isoxaflutole) and 4-(2-chloro-4-methylsulphonyl) benzoyl-5-cyclopropylisoxazole (isoxachlortole).

10. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 or 2~~ claim 1, wherein the HPPD-inhibiting herbicide is a compound of formula (III)



wherein R^{15} is C_{1-2} alkyl or chloro; R^{16} is hydrogen or C_{1-4} alkyl; and R^{17} is C_{1-4} alkyl.

11. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 to 10~~
claim 1, wherein the chloroacetamide is a compound of formula (IV)



wherein R¹⁸ is hydrogen, methyl or ethyl; R¹⁹ is hydrogen or ethyl; R²⁰ is hydrogen or methyl; and R²¹ is methyl, methoxy, methoxymethyl, ethoxy, or butoxy.

12. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 to 11~~
claim 1, wherein the aromatic ethoxylate compound is selected from the group consisting of di- or tri-styrylphenol ethoxylates, and phosphates, sulphates and salts thereof.

13. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 to 12~~
claim 1, wherein the formulation has a pH of 5 or less.

14. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 to 13~~
claim 1, wherein the formulation further comprises one or more additional active ingredients selected from the group consisting of herbicides, fungicides, insecticides, safeners or antidotes.

15. (Original): A suspoemulsion formulation according to claim 14, wherein the additional active ingredient is a triazine herbicide.

16. (Original): A suspoemulsion formulation according to claim 14 wherein the additional active ingredient is a safener or antidote.

17. (Original): A suspoemulsion formulation according to claim 14, wherein the additional active ingredient comprises at least a triazine herbicide and a safener or antidote compound.

18. (Currently Amended): A suspoemulsion formulation according to ~~any one of claims 1 to 17~~
claim 1, wherein the formulation further comprises an electrolyte.

19. (Currently Amended): A method for controlling the growth of undesirable vegetation comprising applying to the locus of said undesirable vegetation a suspoemulsion formulation according to ~~any one of claims 1 to 18~~ claim 1.